

SECTION 750 SIDEWALKS AND DRIVEWAYS

750.01 DESCRIPTION.

This work consists of constructing concrete sidewalks and driveways.

750.02 MATERIALS.

Materials shall meet the following:

Item	Section
Concrete Class AE	802
Base Material	816
Reinforcing Steel	836
Preformed Expansion Joint Material	826.02 C or 826.02 D
Joint Materials	826
Curing Materials	810

750.03 CONSTRUCTION REQUIREMENTS.

- A. **Forms.** Either fixed-forms or slip forms may be used. Forms shall be of wood or metal, straight and free from warp, and of sufficient strength to resist springing during the depositing and vibrating of concrete. Forms for use on curves shall be capable of installation to within 1/2 inch of the true curve. Forms shall be designed so they may be securely fastened together. All forms shall be clean and coated with a form release agent before the concrete is placed. Forms shall be the full depth of the concrete.
- B. **Excavation.** Excavation shall be made to the required depth and width that permits the installation and bracing of the forms. The foundation shall be shaped and compacted to an even surface conforming to the section shown in the Contract. All soft and yielding material shall be removed and replaced with acceptable material.
- C. **Base.** A base shall be placed to the required section and uniformly compacted.
- D. **Placing Concrete.** The foundation shall be thoroughly moistened immediately before placing concrete. Consolidation of concrete placed in the forms shall be by vibration.
- E. **Finishing.** Finishing shall be done with a wooden float which leaves a uniform surface with a sandy texture. The surface shall not be plastered. Sidewalks shall be transversely broomed to slightly roughen the surface.

All outside edges of the slab and all joints shall be edged with a 1/4 inch radius edging tool.

The curb section of driveways shall be finished according to Section 748.

The top face of any form or the contact face of a straight form shall not vary from a true plane by more the 1/4 inch in 10 feet.

All honeycombed surfaces shall be corrected by using mortar consisting of one part cement and 2 parts sand.

- F. **Joints.** Expansion joints shall be placed in sidewalks at intervals as specified. Expansion joints shall be placed between the sidewalk and any abutting curb, pavement, driveway, or other structure; and they shall entirely separate the sidewalk from the abutting structure. Expansion joints shall have a thickness of at least 1/4 inch.

Hot poured bituminous joint filler shall be used for sealing isolation joints. The hot bituminous sealer shall meet the requirements of Section 826.02 A.1 or 2.

The sidewalk shall be divided into sections, as shown on the Plans, by dummy joints formed by a grooving tool or other acceptable means.

- G. **Curing.** Concrete shall be cured for 72 hours. All surfaces not protected by forms shall be covered by a curing compound during this period.
- H. **Backfill.** After the concrete has set sufficiently, the spaces along the sides of sidewalks and driveways shall be filled and compacted to the required elevations with select material.
- I. **Operational Limitations.** Operational limitations shall meet Section 602.03 G.

750.04 METHOD OF MEASUREMENT.

- A. **Concrete Sidewalks and Driveways.** These items will be measured by the Square Yard of finished horizontal surface including integral curbs on driveways.
- B. **Base Material.** This item will be measured by the Ton or by the Cubic Yard.

750.05 BASIS OF PAYMENT.

- A. Payment will be made at Contract Unit Prices for the following:

Pay Item	Pay Unit
Concrete Sidewalk	Square Yard
Concrete Driveway	Square Yard
Base Material	Ton, Cubic Yard

- B. Reinforcing steel will not be measured for payment but shall be included in the bid price for Concrete Sidewalk or Driveway.
- C. Excavation, backfill, expansion joint material, and other related miscellaneous items will not be paid for separately but the cost shall be included in the cost of the Sidewalk or Driveway.

- D. If base material is not specified as a pay item, the cost shall be included in the cost of the Sidewalk or Driveway.

This payment will be full compensation for all labor, equipment, and materials necessary to complete the work.

SECTION 752

FENCING – INSTALLATION AND RESETTING

752.01 DESCRIPTION.

This work consists of constructing fences and gates including the removal of existing fences and resetting of fences in the locations shown on the Plans or as directed by the Engineer.